

M30260T-48FPD

Converter Board for 48-pin 0.5-mm-pitch LQFP

User's Manual

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1. Outline

The M30260T-48FPD is a converter board for connecting the emulation probe M30290T-EPB for M16C/26A, 28, 29 Groups and the compact emulator M30290T2-CPE to a foot pattern for M16C/26A Group 48-pin 0.5-mm-pitch LQFP (48P6Q-A).

2. Package Components (See Figure 1)

- M30260T-48FPD (Base board M30290T-PTCB and 150mm FFC cable included) 1 pc.
- (2) YQPACK048SD (made by Tokyo Eletech Corporation) 1 pc.
- (3) NQPACK048SD (made by Tokyo Eletech Corporation) 1 pc.
- (4) YQ-GUIDE (made by Tokyo Eletech Corporation) 4 pcs.
- (5) M30260T-48FPD User's Manual (This manual) 1 pc.

3. Specifications

Table 1 Specifications

Applicable package	48P6Q-A
	(48-pin 0.5-mm-pitch LQFP)
Insertion/removal iterations of connector	Between M30260T-48FPD and
	YQPACK048SD:
	100 times guaranteed
	Between M30290T-EPB or
	M30290T2-CPE and
	M30260T-48FPD:
	50 times guaranteed

4. Usage (See Figure 2)

The M30260T-48FPD can be used for debugging and board mounted evaluation in common by mounting the NQPACK048SD on the user system.

(1) For debugging

Mount the NQPACK048SD and YQPACK048SD on the foot pattern of the user system in that order. And fix them with the YQ-GUIDE's (do not use the screws included with the YQPACK048SD). After connecting the M30290T-EPB or M30290T2-CPE

and M30260T-48FPD, connect the M30260T-48FPD to the YQPACK048SD.

(2) For onboard evaluation

Mount an M16C/26A Group MCU and HQPACK048SD (separately available) in that order on the NQPACK048SD on the user system. And fix them using a screw included with the HQPACK048SD.

Before using the M30260T-48FPD, be sure to read "7. Precautions" on page 4 and the M30290T-EPB or M30290T2-CPE User's Manual.

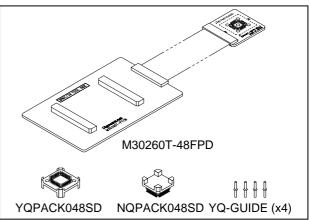


Figure 1 Package components of the M30260T-48FPD

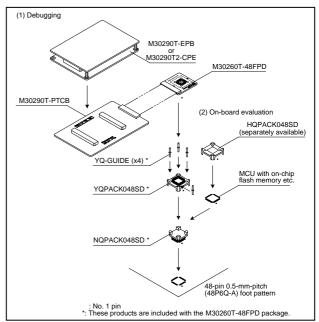


Figure 2 Usage of the M30260T-48FPD

5. Connection Procedure (See Figure 3)

The procedure for connecting the M30260T-48FPD is shown below.

- (1) Mount the NQPACK048SD on the user system.
- (2) Attach the YQPACK048SD on the NQPACK048SD.
- (3) Secure the four corners of the YQPACK048SD with the YQ-GUIDE's.
 - Do not use the screws included with the YQPACK048SD for fixing the YQPACK048SD.
 - The screwdriver included with the NQPACK048SD is used for fixing the HQPACK048SD. Do not use if for fixing the YQ-GUIDE's.
- (4) Attach the M30290T-EPB or M30290T2-CPE and the M30290T-PTCB.
- (5) Attach the M30260T-48FPD to the NQPACK048FPD.

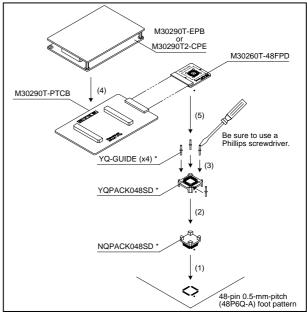
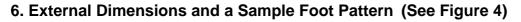


Figure 3 Connection procedure of the M30260T-48FPD



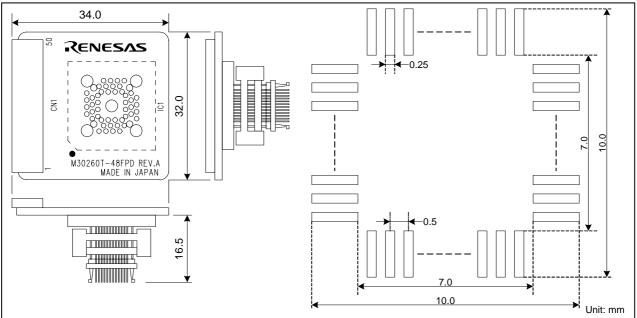


Figure 4 External dimensions and a sample foot pattern of the M30260T-48FPD

7. Precautions

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▲ CAUTION

Cautions to Be Taken for This Product:

- Do not pull or excessively flex the cable. The cable may cause a break.
- When connecting the YQPACK048SD, be sure to use the included YQ-GUIDE's.
- Do not use the screws included with the YQPACK048SD to fix it.

IMPORTANT

Notes on This Product:

- We cannot accept any request for repair.
- For purchasing the NQPACK048SD, YQPACK048SD and HQPACK048SD, contact the following:
 - Daimaru Kogyo Ltd. http://www.daimarukogyo.co.jp/ Tokyo Eletech Corporation
 - http://www.tetc.co.jp/e_tet.htm
- For inquiries about the product or the contents of this manual, contact your local distributor. Renesas Tools Homepage http://www.renesas.com/en/tools